



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

432-1543

Date of Issuance:

06/23/2016

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

13ESP715 3.3 SC

Name and Address of Registrant (include ZIP Code):

Terrie Moore, Ph.D  
Regulatory Affairs Manager  
Bayer CropScience LP  
Environmental Science  
2 T.W. Alexander Drive,  
Research Triangle Park, NC 27709

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

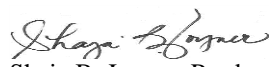
On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

  
Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505P

Date:

06/23/2016

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 432-1543.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

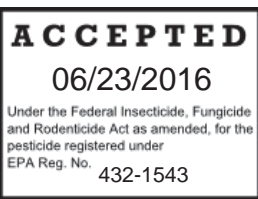
Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/03/2014
- Alternate CSF 1 dated 11/04/2014

If you have any questions, please contact Gibson by phone at 703-305-9096, or via email at [gibson.tamue@epa.gov](mailto:gibson.tamue@epa.gov).

Enclosure: Stamped label dated 6/23/2016



GROUP	7	FUNGICIDE
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# 13ESP715 3.3 SC

**ABN: Indemnify; Encite**

Intended for use by commercial applicators.

For use on turf on golf courses, sod farms, sport fields, residential, institutional, municipal, commercial, and other turfgrass areas; ornamentals in residential and commercial landscapes, interiorscapes, field grown and container in nurseries and greenhouses, lathhouses, shadehouses, containers and other enclosed structures.

**Editorial Note – Marketing claim Positioned here**

[Image Placeholder]

[*Belonolaimus longicaudatus* Image]

[*Anguina pacificae* Image]

[*Sclerotinia homeocarpa* Image]

Editorial Note – [Bracketed Text] is optional language

**ACTIVE INGREDIENT:**

Fluopyram\*: *N*-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)benzamide\* .....34.50%

**OTHER INGREDIENTS:**.....65.50%

**TOTAL:**.....100.00%

Contains 3.34 lbs fluopyram per gallon

\*(CAS Number 658066-35-4)

**EPA Reg. No. 432-1543**

**EPA Est.**

**Suspension Concentrate**

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-800-331-2867

NET Contents:

PRODUCED FOR



A Division of Bayer CropScience, LP  
PO Box 12014 2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

<b>FIRST AID</b>	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577.            Have a product container or label with you when calling a poison control center or doctor, or going for treatment.</b>	
<b>NOTE TO PHYSICIAN:</b> Treat Symptomatically	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- long-sleeved shirt
- long pants
- shoes plus socks
- chemical-resistant (such as nitrile or butyl) gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

Users should:

- wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- remove PPE immediately after handling this product.
- wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

### Surface Water Label Advisories

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of FLUOPYRAM.

### Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

### Run Off Management

Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

## CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Bayer CropScience LP. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSOURCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSOURCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSOURCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

## DIRECTIONS FOR USE

**It is a violation of federal law to use this product in a manner inconsistent with its labeling.  
Read entire label before using this product.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

**PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water) is:**

- coveralls over long-sleeved shirt and long pants
- socks and shoes
- chemical-resistant gloves made of any of any waterproof material such as natural rubber  $\geq$  14 mils.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

## PRODUCT INFORMATION

13ESP715 3.3 SC is a broad spectrum fungicide with preventative, systemic, and curative properties for the control or suppression of certain turf and ornamental diseases.

13ESP715 3.3 SC is a nematicide and protects against damage caused by certain plant parasitic nematodes.

### FOR USE ON:

- Turf on golf courses, sod farms, sport fields, residential, institutional, municipal, commercial, and other turfgrass areas.
- Ornamentals in residential and commercial landscapes, interiorscapes, field grown and container ornamentals in nurseries and greenhouses, lathhouses, shadehouse, containers and other enclosed structures.

### PRODUCT USE RESTRICTIONS

- Do not apply more than the maximum annual rate for each specific use from any combination of products containing FLUOPYRAM.
- Do not apply via aerial application.

### RESISTANCE MANAGEMENT FOR DISEASE CONTROL

The active ingredient in 13ESP715 3.3 SC belongs to the pyridinyl-ethyl-benzamides (Group 7). To maintain long-term effectiveness of this fungicide, follow the specific resistance management guidance listed on this label. The following practices may delay the development of fungicide resistance.

**1. Start spray programs early:** Spray programs that begin before pathogens attack keep fungal populations low and reduce the likelihood of resistance. Consult your local extension specialist, certified advisor and/or manufacturer representative for recommendations on when to begin spray programs.

**2. Alternate products:** Use spray programs that include alternation of products from different fungicide groups. Group numbers are listed in a box at the top right of product labels.

**3. Use at least the minimum-labeled rate and do not extend spray intervals beyond label requirements:** Use of rates below the minimum-labeled rate can shorten the useful life of a fungicide. Furthermore, stretching application intervals too long may leave turf or ornamentals unprotected, allowing the pathogen population to multiply, and increasing the likelihood for resistance to develop.

**4. IPM:** Applications of fungicides should be integrated into an overall disease and pest management program. Cultural practices known to reduce disease development should be followed. Consult your local extension specialist, certified advisor and/or manufacturer representative for additional IPM strategies established for your area.

## SPRAY DRIFT MANAGEMENT

### Airblast (Air Assist) Applications for ornamental trees

Airblast sprayers carry droplets into the canopy of trees/vines via a radially, or laterally directed air stream. Follow the following specific drift management practices:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use only enough air volume to penetrate the canopy and provide good coverage;
- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- Only spray inward, toward the tree stand, for applications to the outside rows.

## COMPATIBILITY TESTING AND TANK MIX PARTNERS

### Compatibility

13ESP715 3.3 SC is physically and biologically compatible with many registered pesticides, fertilizers, and micronutrients. However, it is known that many components, including pesticides, fertilizers, micronutrients, and spray adjuvants, may be present in a tank mix combination and cause potential for adverse chemical reactions. It is impossible to determine physical, biological, and plant compatibility for all scenarios that may be encountered; therefore, users must determine the chemical, physical, biological, and plant compatibility of such mixes prior to making applications on a broad scale.

### Order of Mixing

13ESP715 3.3 SC may be used with other recommended pesticides, fertilizers, and micronutrients. The proper mixing procedure for 13ESP715 3.3 SC alone, or in tank mix combinations with other pesticides is:

1. fill the spray tank 1/4 to 1/3 full with clean water
2. while recirculating, and with the agitator running, add any products in PVA bags (**See Note**). Allow time for thorough mixing
3. continue to fill spray tank with water until 1/2 full
4. add any wettable powder (WP), water dispersible granule (WG/WDG) products, or “flowable” (FL/SC) type products
5. allow enough time for thorough mixing of each product added to tank
6. add required amount of 13ESP715 3.3 SC, and
7. if applicable, add any remaining tank mix components: emulsifiable concentrates (EC), fertilizers, and micronutrients
8. fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

**NOTE:** Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic that is not soluble in water or solvents.

## APPLICATION INFORMATION

Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control. Do not make applications when conditions favor drift beyond the target application area. Avoid spraying when windy, high temperature, drought, low relative humidity, or temperature inversion conditions exist.

### Ground Application

For ground application equipment, apply:

- 1 to 2 gallons of solution per 1000 sq. ft. for disease control on turf
- 2 to 5 gallons of solution per 1000 sq. ft. for protection against nematodes
- 50 to 100 gallons of solution per acre for protection against nematodes and disease control on ornamental plants.

## IRRIGATION AND WATERING

When using 13ESP715 3.3 SC against nematodes, for optimum control irrigate within 24 hours of application to depth of the root zone to be protected.

## TURF USE DIRECTIONS

13ESP715 3.3 SC is a systemic nematicide, which may be used in a seasonal program for the control and prevention of nematode damage to common turfgrasses. 13ESP715 3.3 SC can be used on turfgrasses for the control or suppression of soil inhabiting parasitic nematodes such as Sting (*Belonolaimus longicaudatus*), Stem-gall (*Anguina pacificae*), Ring (*Mesocriconema* spp.), Spiral (*Helicotylenchus* spp.), Lance (*Hoplolaimus galeatus*) Root-lesion (*Pratylenchus* spp.), Awl (*Dolichodorus* spp.), Cyst (*Punctodera heterodera*), Dagger (*Xiphinema* spp.), Needle (*Longidorus* spp.), Pin (*Paratylenchus* spp.), Root-knot (*Meloidogyne* spp.), Sheath (*Hemicyclophora* spp.), Sheathoid (*Hemicriconemoides* spp.), Stubby-root (*Paratrichodorus* and *Trichodorus* spp.), Stunt (*Tylenchorhynchus* spp.).

13ESP715 3.3 SC is a systemic fungicide, which may be used in a seasonal program for the control of diseases and prevention of nematode damage to common turfgrasses.

Apply as a foliar spray, using 1 to 5 gallons of water per 1,000 sq. ft., as indicated in the "turf disease control use directions" table. Apply with a properly calibrated sprayer.

### TURF USE RESTRICTIONS

- Do not apply more than 17.1 fl oz of 13ESP715 3.3 SC (0.446 lbs. a.i.) per acre per year.
- For residential turf, do not apply more than 15.5 fl. oz. of 13ESP715 3.3 SC (0.404 lbs. a.i.) per acre per year.

### APPLICATIONS FOR TURF DISEASE CONTROL

#### Turf Tolerance

Use 13ESP715 3.3 SC in accordance with the prescribed label instructions on:

- Cool-season turfgrasses: Bentgrass, Bluegrass, Fescues, Ryegrass, including mixtures thereof
- Warm-season turfgrasses: Bermudagrass, St. Augustinegrass, Seashore paspalum, Kikuyugrass, and Zoysiagrass.

[13ESP715 3.3 SC is not phytotoxic to these aforementioned grasses.]

#### Turf disease control use directions

Disease Control	Application Rate (fl oz Product /1000 ft <sup>2</sup> )	Interval between Applications (days)	Application Directions
Dollar spot ( <i>Sclerotinia homeocarpa</i> )	0.1 to 0.195	14-28	Begin fungicide applications preventatively.  Reapply as needed, using higher rates and shorter intervals when disease pressure is high, but do not exceed maximum prescribed rates.
	0.05	7	

- Do not apply more than 17.1 fl oz of 13ESP715 3.3 SC (0.446 lbs. a.i.) per acre per year.
- For residential turf, do not apply more than 15.5 fl. oz. of 13ESP715 3.3 SC (0.404 lbs. a.i.) per acre per year.
- Rotation/Tank Mix Recommendation: Rotate with 26 GT Fungicide or [Interface Fungicide] [Interface STRESSGARD] for resistance management.



**Turf nematode control use directions**

**NOTE: For improved control and turfgrass quality use in a program with Nortica 10 WP.**

Target Pest	Application Rate (fl oz Product /1000 ft <sup>2</sup> )	Interval between Application (days)	Application Directions
Plant parasitic nematodes including: Sting, Stem-gall, Ring, Spiral, Lance, Root-lesion, Awl, Cyst, Dagger, Needle, Pin, Root-knot, Sheath, Sheathoid, Stubby-root, Stunt	0.195 - 0.39	Minimum 14	<p><b>Irrigate to depth of root zone.</b></p> <p><b>For <i>Anguina pacifica</i>, irrigate only after the spray has completely dried.</b></p> <p>Begin applications preventively when conditions are favorable for nematode activity</p> <p>Reapply as needed, using higher rates and shorter intervals when nematode pressure is high, but do not exceed maximum prescribed rates.</p>

- For residential turf, do not exceed rate of 0.355 fl oz per 1,000 sq. ft. (15.5 fl. oz. or 0.404 lbs. a.i. per acre per year.)

**PRODUCT QUANTITY (FL OZ) by SPRAY VOLUME and TANK CAPACITY**

- 13ESP715 3.3 SC at 0.195 fl oz per 1,000 ft<sup>2</sup>

Spray Volume (Gal per 1,000 ft <sup>2</sup> )  Spray Tank Capacity	1 Gal	2 Gal	3 Gal	4 Gal	5 Gal
<b>25 Gal</b>	4.875 fl oz	2.438 fl oz	1.625 fl oz	1.219 fl oz	0.975 fl oz
<b>50 Gal</b>	9.750 fl oz	4.876 fl oz	3.250 fl oz	2.438 fl oz	1.950 fl oz
<b>100 Gal</b>	19.500 fl oz	9.752 fl oz	6.500 fl oz	4.876 fl oz	3.900 fl oz
<b>200 Gal</b>	39.000 fl oz	19.504 fl oz	13.000 fl oz	9.752 fl oz	7.800 fl oz

- 13ESP715 3.3 SC at 0.39 fl oz per 1,000 ft<sup>2</sup>

<div>Spray Volume (Gal per 1,000 ft<sup>2</sup>)</div> <div>Spray Tank Capacity</div>	1 Gal	2 Gal	3 Gal	4 Gal	5 Gal
25 Gal	9.75 fl oz	4.88 fl oz	3.25 fl oz	2.44 fl oz	1.95 fl oz
50 Gal	19.50 fl oz	9.75 fl oz	6.50 fl oz	4.88 fl oz	3.90 fl oz
100 Gal	39.00 fl oz	19.50 fl oz	13.00 fl oz	9.75 fl oz	7.80 fl oz
200 Gal	78.00 fl oz	39.00 fl oz	26.00 fl oz	19.50 fl oz	15.60 fl oz

### CURATIVE SPOT TREATMENTS

Curative Spot Treatments are prescribed for controlling nematodes over smaller areas where outbreaks are severe or expected to become severe. To make a Curative Spot Treatment, apply the highest prescribed dose of 13ESP715 3.3 SC and repeat up to 4 times at the prescribed intervals. For curative spot treatments, treat no more than 10,000 sq. ft. per acre per year.

## ORNAMENTALS DIRECTIONS FOR USE

13ESP715 3.3 SC is a systemic fungicide that has curative and protectant properties that can be used for the control of foliar and flower diseases of listed ornamentals.

### ORNAMENTAL USE RESTRICTIONS

- Do not apply more than 17.1 fl oz of 13ESP715 3.3 SC (0.446 lbs. a.i.) per acre per year.

### APPLICATIONS FOR ORNAMENTAL DISEASES CONTROL

#### Application method

- Apply 13ESP715 3.3 SC as a foliar spray to the point of drip, at the prescribed rates in 100 gallons of water or by drench or chemigation before disease is detected or when conditions are favorable for disease development. Continue at the prescribed interval until the disease threat is over. Under heavy disease pressure, use the highest rate and the shortest interval. Under light disease pressure, the application interval may be extended. Use of spray additives is not required. Any spray additive must be evaluated prior to use. Label directions are based on data with no additives.
- For spray or drench application do not exceed 100 gallon per acre of spray volume.

#### Ornamental disease control use directions

The plants that 13ESP715 3.3 SC have been tested on, diseases that are controlled and specific use directions are listed in the tables below.

Table 1	
13ESP 715 3.3 SC has been tested for phytotoxicity and been found safe to the following plants*. The numbers in ( ) indicate the diseases listed in Table 2.	
Fir (4,5,6) Pine (4,5,6) Douglas Fir (4,5,6)	Spruce (4,5,6) Sunflowers, ornamental (1,2,3)

Table 2					
Ornamental diseases controlled by 13ESP 715 3.3 SC					
Table 2 ref.	Disease		Application Rate (fl oz/100 gal)	Application Timing	Interval between Applications (days)
	Common Name	Scientific Name			

1.	Alternaria leaf spot	<i>Alternaria</i> spp.	8.56	Begin fungicide applications preventatively. Continue as needed. May be applied in furrow or as a band treatment.	14
2.	Powdery mildew	<i>Erysiphe</i> spp. ( <i>Erysiphe cichoracearum</i> )			
3.	Sclerotinia wilt and head rot	( <i>Sclerotinia sclerotiorum</i> )			
4.	Diplodia tip blight	( <i>Diplodia pinea</i> )	8.56	Begin fungicide applications preventatively. Continue as needed. When disease pressure is severe, use the shorter intervals.	7-21
5.	Lophodermium needlecast	( <i>Lophodermium pinastri</i> )			
6.	Swiss needlecast	( <i>Phaeocryptopus gaumannii</i> )			

- Do not apply more than 17.1 fl. oz. of 13ESP 715 3.3 SC (0.446 lbs. a.i.) per acre per year.
- May be applied using ground or chemigation equipment.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of 13ESP 715 3.3 SC or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for tolerance. For additional desired plants/cultivars, treat several plants with the prescribed rates and evaluate the tolerance of treated plants.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

### PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool, dry place. Avoid cross-contamination with other pesticides.

### PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

### CONTAINER HANDLING

#### **Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)**

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

#### **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

#### **Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

#### **Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons**

##### **PLASTIC CONTAINERS:**

Non refillable container. Do not reuse or refill this container. Tripled rinse container (or equivalent) promptly after emptying.

##### ***LIQUID Dilutable formulations:***

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

13ESP715 3.3 SC (PENDING) 10/28/2014, 11/11/2014, 11/21/2014, 11/24/2014, 11/25/2014, 11/26/2014, 04/29/15, 05/04/2015, 05/05/2015, 05/07/2015, 05/12/2015, 11/17/2015, 11/18/2015, 11/24/2015, 05/22/2016, 05/23/2016, 06/03/2016, 06/14/2016, 06/22/2016

[Optional Marketing claims]

[Nematicide]

[For the protection of turfgrass (including sod farms) against damage caused by certain plant pathogenic nematodes.]

[For control of diseases on turf and ornamentals and protection against damage caused by certain plant pathogenic nematodes.]

[Suspension Concentrate]

[Broad spectrum control of nematodes]

Technical claims:

[Produces greener and denser turf]

[Reduces dew formation]

[Reduces leaf wetness periods due to dew or irrigate droplet retention]

[Fast recovery from stress periods]

[Fast closure of turf surface after aerification]

[Enhanced root growth in the presence of plant pathogenic nematodes]

[Enhanced leaf color and turf density in the presence of plant pathogenic nematodes]

[Reduces populations of plant pathogenic nematodes]